ProCon GSW-1676

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16G + 4 shared SFP Port Web Smart Switch

16 Gigabit Port + 4 SFP Web Smart Switch
The LevelOne GSW-1676 is an intelligent Layer 2 Web Smart Switch with 16 10/100/1000 BASE-T ports with 4 shared SFP transceiver slots.

The switch contains 16 RJ-45 ports that operate at 10 Mbps or 100 Mbps, half or full duplex, or at 1000 Mbps, full duplex. All ports on the switch support automatic MDI/MDI-X operation and auto-negotiation, so the optimum transmission mode and data rate can be selected automatically.

Collapsed Backbone
The GSW-1676 is an excellent choice for mixed Ethernet, Fast Ethernet, and Gigabit Ethernet installations where significant growth is expected in the near future. In a basic stand-alone configuration, it can provide direct full-duplex connections for up to 16 workstations or servers. The server is easily expandable by adding direct full duplex connections to workstations or servers. Further expansion is possible by connecting hubs or switches.

Remote Connections with Fiber Cable
Fiber optic technology allows for longer cabling than any other media type. A 1000BASE-SX (MMF) link can connect to a site up to 550 meters away, a 1000BASE-LX (SMF) link up to 5 km, and a 1000BASE-ZX link up to 100 km. This allows a switch stack to serve as a collapsed backbone, providing direct connectivity for a widespread LAN.

Switch Architecture
The switch employs a wire-speed, non-blocking switching fabric. This permits simultaneous wire-speed transport of multiple packets at low latency on all ports. The switch also features full-duplex capability on all ports, which effectively doubles the bandwidth of each connection.

The switch uses store-and-forward switching to ensure maximum data integrity. With store-and-forward switching, the entire packet must be received into a buffer and checked for validity before being forwarded. This prevents errors from being propagated throughout the network.

Network Management Options
The GSW-1676 contains a comprehensive array of LEDs for "at-a-glance" monitoring of network and port status. They also include a management agent that allows you to configure or monitor the switch using its embedded management software.

GSW-1676

Related Products

GSW-2476
24G +4SFP Web Smart Switch

Key Features

- 16 auto-MDI/MDI-X 10/100/1000Base-T ports
- 4 ports shared with 4 SFP transceiver slots
- Non-blocking switching architecture
- Up to 8 LACP or static 8-port trunks
- Layer 2/3/4 CoS support through four priority queues
- Full support for VLANs with GVRP
- IGMP multicast filtering and snooping
- Support for jumbo frames up to 9KB
- Manageable via Web

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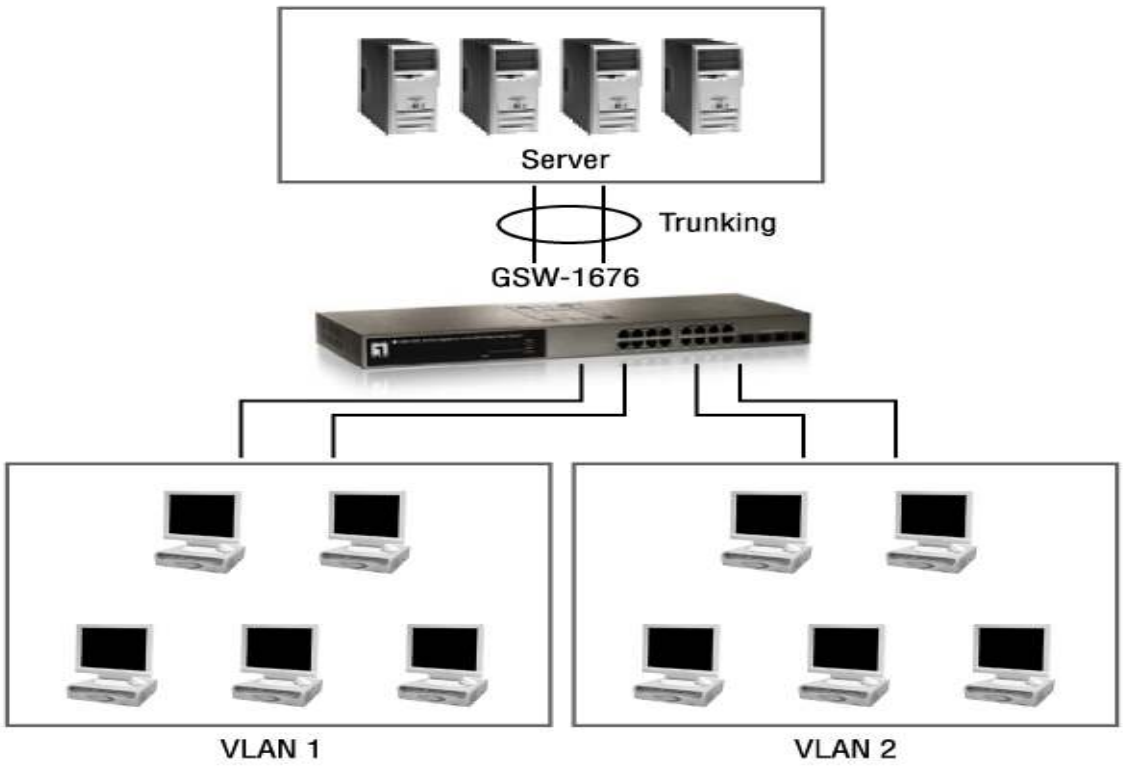
Technical Specification

- **Standards Compliance**
  IEEE 802.3/ IEEE 802.3u
  IEEE 802.3ab Gigabit 1000T
  IEEE 802.3z Gigabit Fiber
  IEEE 802.3x Flow Control and Back Pressure
  IEEE D802.1Q Virtual LAN
- **Network Interface**
  16x 10/100/1000Base-T, with auto-negotiation
  4x 10/100/1000Base-T shared with 4 SFP transceiver slots
- **Protocol**
  CSMA/CD
- **MAC Address Table**
  8K entries
- **Buffer Architecture**
  400Kbytes,
- **Aggregate Bandwidth**
  32Gbps
- **Transfer Rate**
  14,880 Packets per second for 10Mbps
  148,800 Packets per second for 100Mbps
  1,488,000 Packets per second for 1000Mbps
- **Network Cables**
  10Base-T: 2-pair UTP/STP Cat.3/4/5, Up to 100 m
  100Base-TX: 2-pair UTP/STP Cat. 5, Up to 100 m
  1000Base-T: 4-pair UTP/STP Cat.5, Up to 100 m
  1000Base-SX LC MM: Multimode Fiber, Up to 550m
  1000Base-LX LC MM: Singlemode Fiber, Up to 10km
  1000Base-ZX LC MM: Singlemode Fiber, Up to 70km
- **Switch Architecture**
  Store-and-Forward
- **In-Band Management**
  Web Manager
- **Management**
  In band: Web management
- **Software Upgrade**
  TFTP/ Console firmware upgradeable
- **LEDs**
  Per Device: Power,
  Per Port: Link/ Act, 1000
- **Dimension**
  330mm(W) * 20mm(D) * 44mm(H)
- **Weight**
  3.72 Kg
- **Power Supply**
  Internal power supply: 100~240VAC, 50/60Hz
- **Power Consumption**
  28 Watts (max)
- **Temperature**
  Operating: 0° C ~40° C (32° F ~ 104° F)
  Storage: -40° C ~70° C (-40° F ~ 158° F)
- **Humidity**
  Operating: 5% ~ 90% (Non-condensing)
- **EMI and Safety**
  FCC Class A, CE

Product Diagram



Ordering Information

- GSW-1676: 16 G + 4 SFP Web Smart Switch
- GVT-0300: Mini GBIC SFP transceiver, SX Multi-Mode (550m)
- GVT-0301: Mini GBIC SFP transceiver, LX Single-Mode (10km)
- GVT-0302: Mini GBIC SFP transceiver, SX Single-Mode (70km)

For more information, please contact your LevelOne representative, or visit our website
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